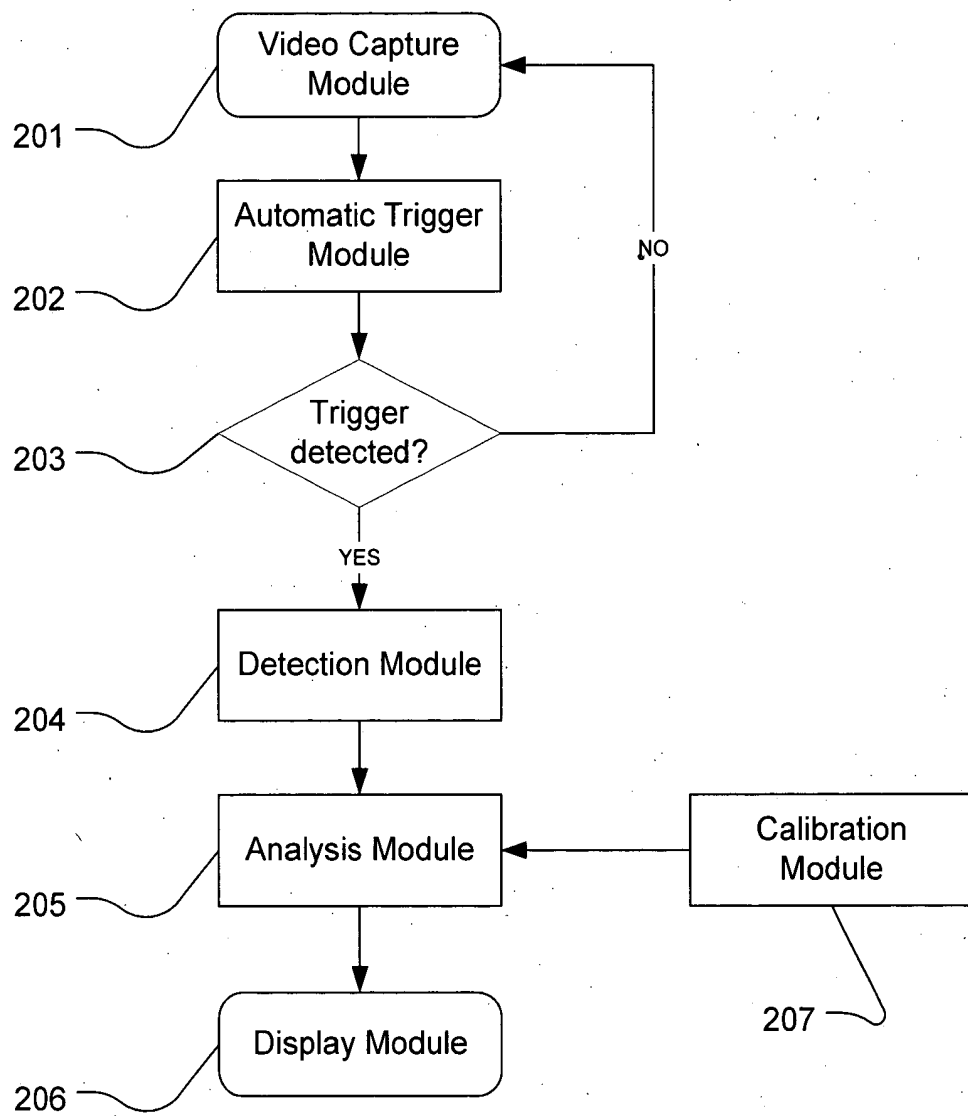


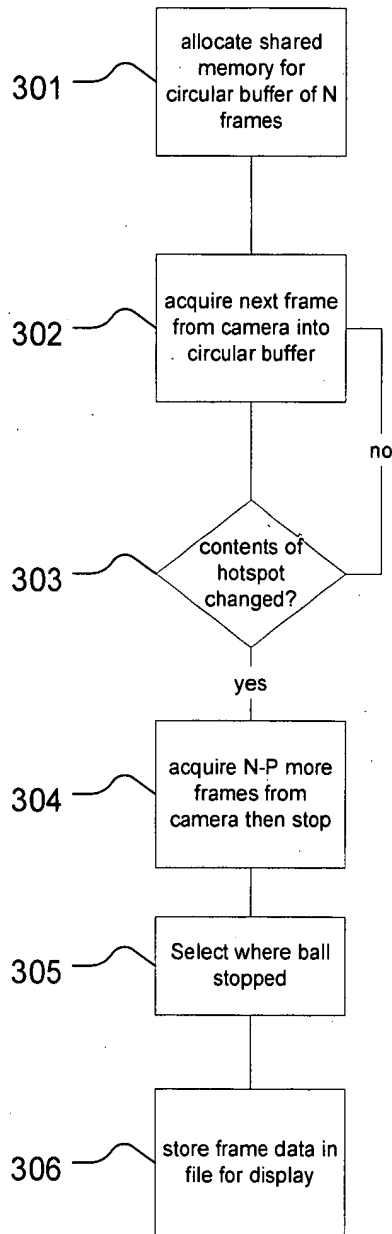
FIG. 1



Functional components

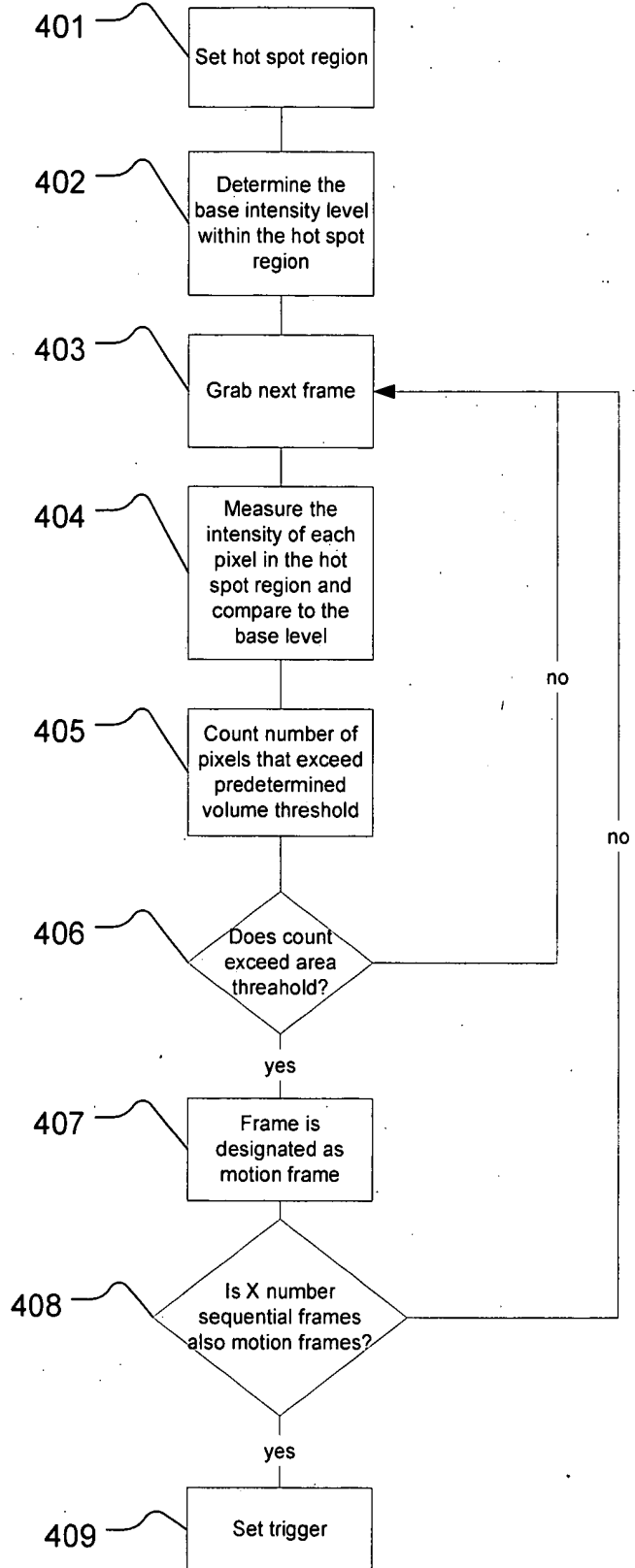
FIG. 2

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Video Capture Process

FIG. 3



Automatic Trigger Process

FIG. 4

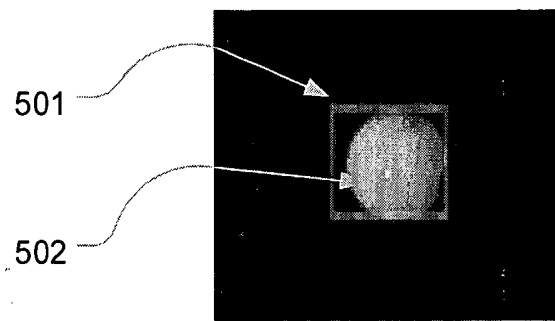


FIG. 5

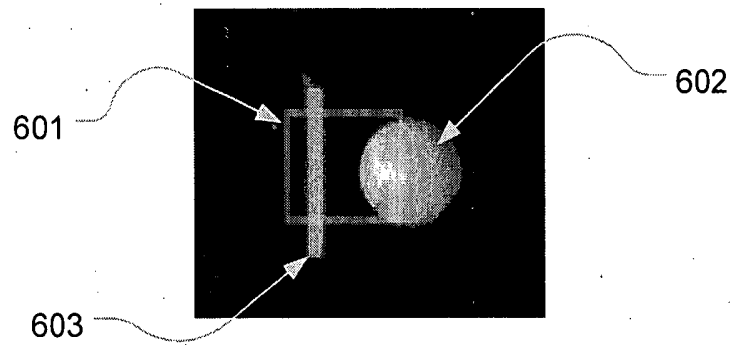
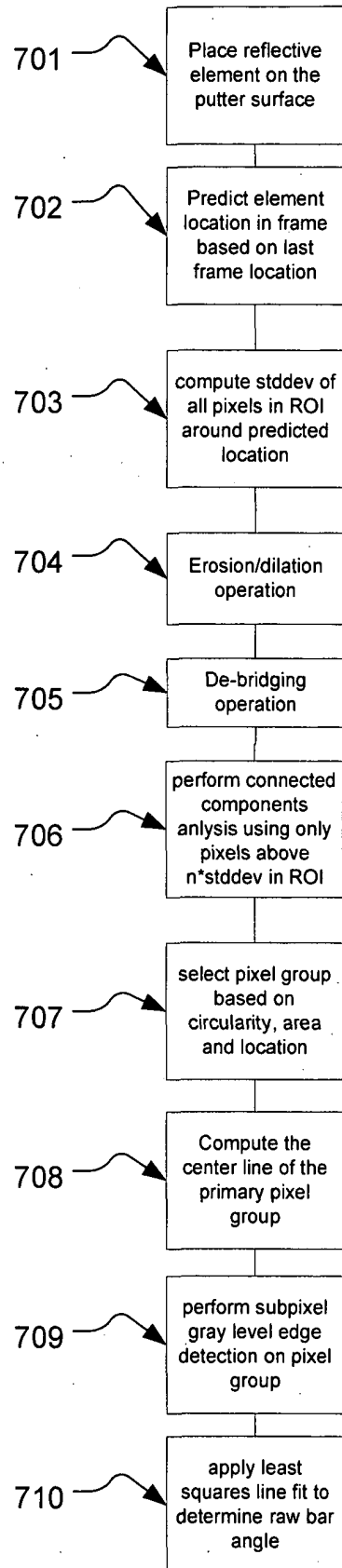


FIG. 6



Detection Process

FIG. 7

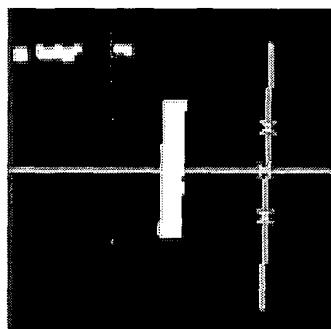


FIG. 8

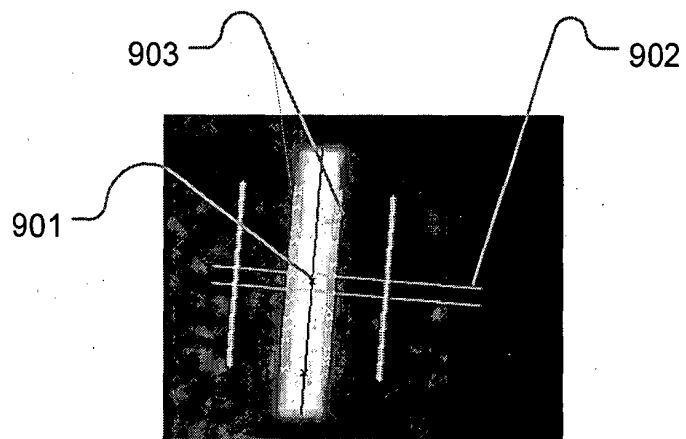


FIG. 9

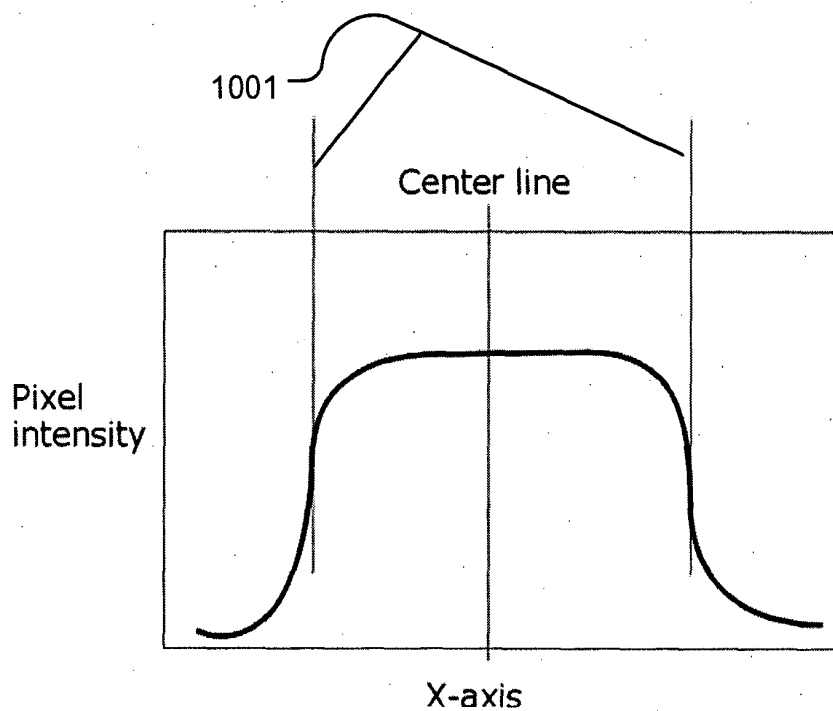
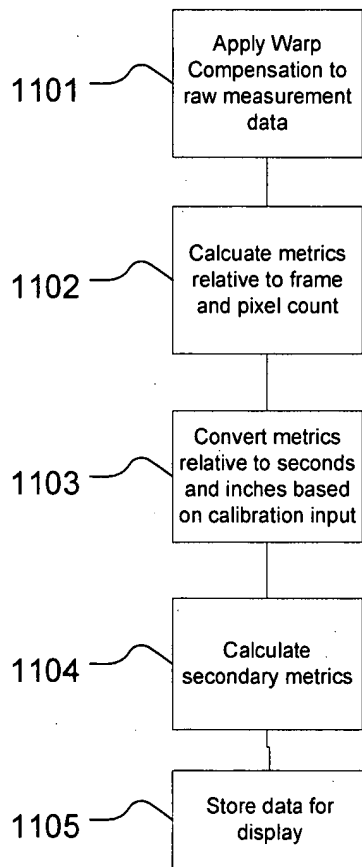
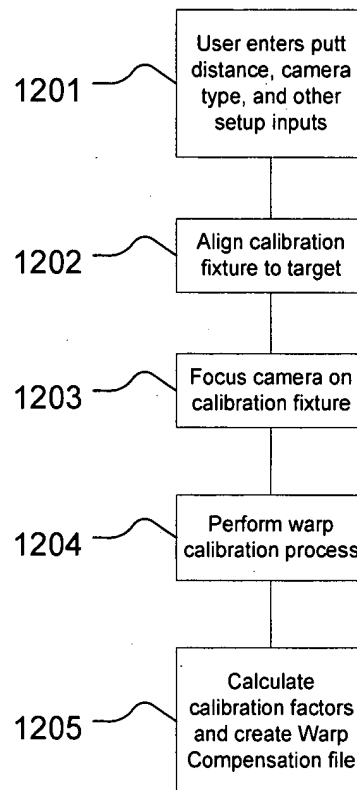


FIG. 10



Analysis Process

FIG. 11



Calibration Process

FIG. 12



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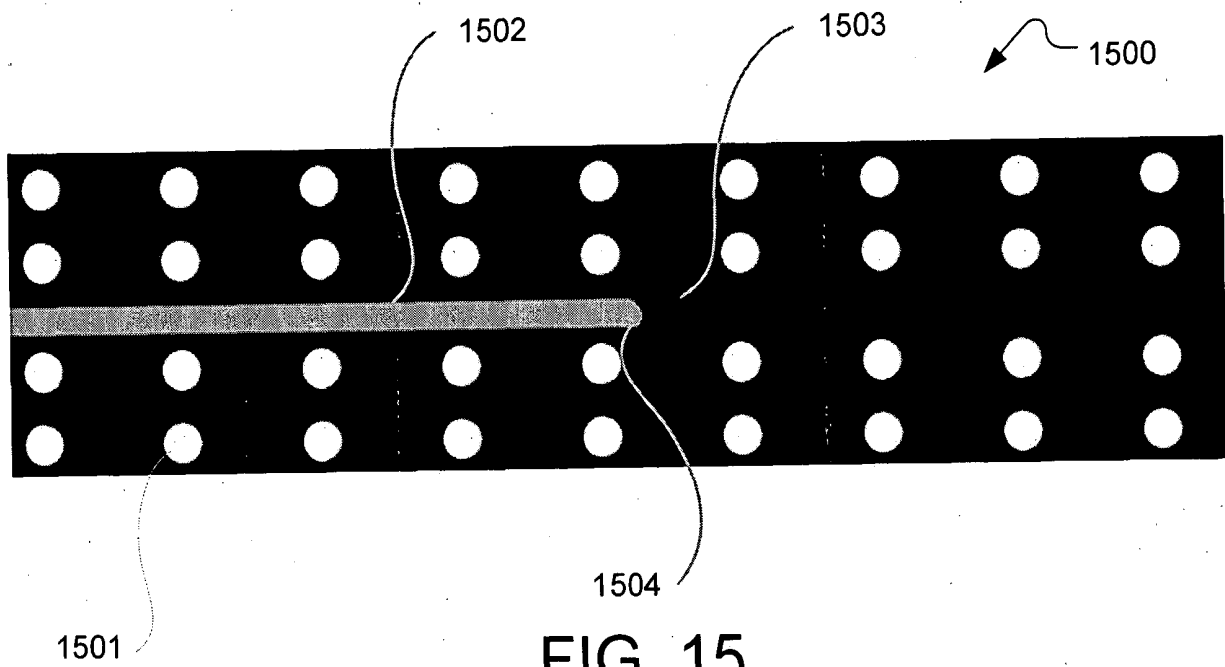


FIG. 15

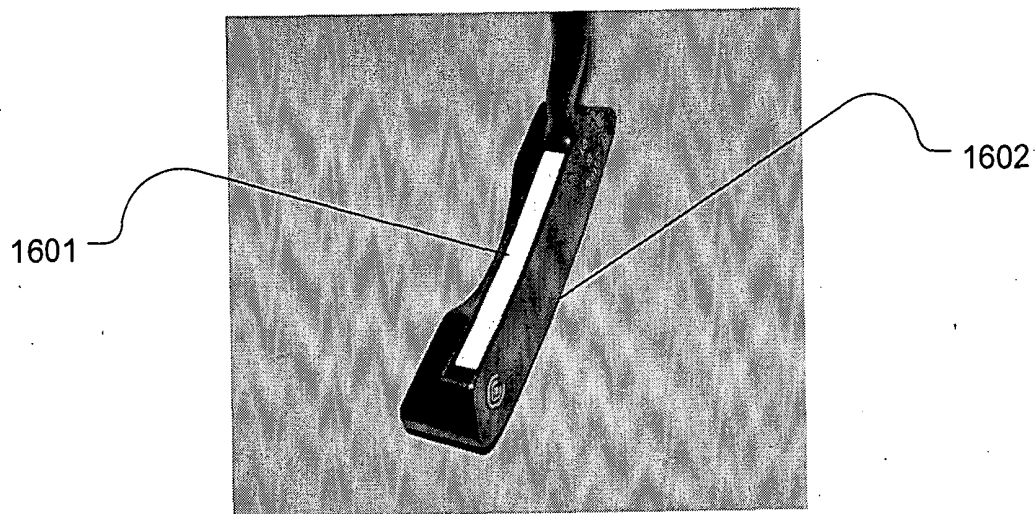


FIG. 16